

ABSTRACT:

An electric lamp which is provided with an electric light source in a light-transmitting bulb provided with a coating comprising an inorganic colored pigment selected from the group formed by oxide nitride pigments of the general formula

$A_{1-x}A'_xBO_{2-x}N_{1+x}$, wherein $A = \text{Mg, Ca, Sr, Ba, Zn}$, $A' = \text{Ln, Bi, Al, Fe}$, $B = \text{V, Nb, Ta, Mo, W}$

5 and $B' = \text{Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta}$ and $0 < x < 1$

or an oxide-nitride pigment of the general formula

$AB_{1-x}B'_xBO_{1+x}N_{2-x}$, wherein $A = \text{Mg, Ca, Sr, Ba, Zn}$, $A' = \text{Ln, Bi, Al, Fe}$, $B = \text{V, Nb, Ta, Mo, W}$

and $B' = \text{Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta}$ and $0 < x < 1$

or an oxide-nitride pigment of the general formula

10 $A_yA'_yB_2O_{5+y}N_{2-y}$, wherein $A = \text{Mg, Ca, Sr, Ba, Zn}$, $A' = \text{Ln, Bi, Al, Fe}$, $B = \text{V, Nb, Ta, Mo, W}$

and $B' = \text{Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta}$ and $0 < y < 2$

or an oxide-nitride pigment of the general formula

$A'_2B_{2-y}B'_yO_{5+y}N_{2-y}$, wherein $A = \text{Mg, Ca, Sr, Ba, Zn}$, $A' = \text{Ln, Bi, Al, Fe}$, $B = \text{V, Nb, Ta, Mo, W}$

and $B' = \text{Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta}$ and $0 < y < 2$

15 or an oxide-nitride pigment of the general formula

$CD_{2-m}D'_mO_{4-m}N_m$, wherein $C = \text{Mg, Ca, Mn, Fe, Co, Ni, Zn}$ and $D = \text{Al, Ga, In, Ti, V, Cr, Fe, Co, Ni}$

and $D' = \text{Ti, Zr, Hf, Sn, Ge, Si, Nb, Ta}$, and $0 < m < 2$

or an oxide-nitride pigment of the general formula

$C_{1-n}C'_nD_2O_{4-n}N_n$, wherein $C = \text{Mg, Ca, Mn, Fe, Co, Ni, Zn}$, $C' = \text{Al, Ga, In, Ti, V, Cr, Fe, Co, Ni}$

20 and $D = \text{Al, Ga, In, Ti, V, Cr, Fe, Co, Ni}$ and $0 < n < 2$

or an oxide-nitride pigment of the general formula

A'_2CBO_5N , wherein $A' = \text{Ln, Bi, Al, Fe}$, $C = \text{Mg, Ca, Mn, Fe, Co, Ni, Zn}$, $B = \text{V, Nb, Ta, Mo, W}$

W

or an oxide-nitride pigment of the general formula

25 $A'_2A''BO_4N_2$, wherein $A' = \text{Ln, Bi, Al, Fe}$, $A'' = \text{Ln, Bi}$, $B = \text{V, Nb, Ta, Mo, W}$

or an oxide-nitride pigment of the general formula

$A'_2DBO_3N_3$, wherein $A' = \text{Ln, Bi, Al, Fe}$, $D = \text{Al, Ga, In, Ti, V, Cr, Fe, Co, Ni}$

and $B = \text{V, Nb, Ta, Mo, W}$

and with means for operating the electric light source.